



U.S. Department
of Transportation

United States Coast Guard



LOCAL NOTICE TO MARINERS

JANUARY MONTHLY EDITION

NOTICE NUMBER 01/03
01 January 2003

NIS watchstander, 24 hours a day at (703) 313-5900

**** INTERNET ADDRESS ****
<http://www.navcen.uscg.gov/lnm/d14/>

ISSUED BY: Commander, Fourteenth Coast Guard District (oma)
PJKK Federal Building, Room 9-236
300 Ala Moana Boulevard
Honolulu, HI 96850-4982
Telephone: (808) 541-2317 Nights: (808) 541-2500 Fax: (808) 541-2309
Email: cbearden@d14.uscg.mil

Navigation information having been of immediate concern to the Mariner, and promulgated by the following broadcasts, has been incorporated in this notice when still significant:

⇒ CCGD14 (D14) BNMs: 261-02 to 262-02
⇒ COGARD MARIANAS SECTION (MARSEC) BNMs: 163-02 to 167-02

NOTES:

(1) Unless otherwise indicated, missing and destroyed structures are presumed to be in the immediate vicinity. Mariners should proceed with caution.

(2) The Local Notice to Mariners is published in its entirety once a month. The Monthly Edition should be retained as a reference for subsequently issued Weekly Supplements. The Weekly Supplements will be published in intervening weeks and will contain only new information with the exception of DISCREPANCIES-DISCREPANCIES CORRECTED section that is an accurate list maintained each week.

REFERENCES: Light List, Vol. VI, Pacific Coast and Pacific Islands, 2002 Edition (COMDTPUB P16502.6).
U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, and Hawaii (33rd Edition).

REPORT DEFECTS IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

I. SPECIAL NOTICES

LOCAL NOTICE TO MARINERS ON THE INTERNET

The Fourteenth District Local Notice to Mariners (LNM) is available on the World Wide Web at <http://www.navcen.uscg.gov/lnm/d14/>. Customers with Internet access are encouraged to take advantage of this service. The Internet delivers faster information, gives multiple copy customers the ability to print needed amounts, and provides access to archived LNM information as far back as 1995.

HAWAIIAN ISLANDS – HAWAII MARITIME INFORMATION SYSTEM (HIMIS)

Interested members of the Hawaii maritime community can find a wealth of commercial and recreational maritime information by visiting www.himis.org. HIMIS is a "one-stop shopping" location for the automated collection, analysis, and dissemination of static and real-time harbor management and port security information for all Hawaiian ports. This site is sponsored by the U.S. Coast Guard and is in cooperation with the Hawaii State DOT Harbors Division and DLNR Department of Boating and Ocean Recreation.

INTERFERENCE TO GPS RECEIVERS FROM CONSUMER ELECTRONICS-GRADE ACTIVE VHF/UHF MARINE TELEVISION ANTENNAS

The U.S. Coast Guard and Federal Communications Commission have ascertained that certain powered VHF/UHF marine television antennas are causing operational degradation in the performance of GPS receivers. This degradation in performance or interference may be realized as a display of inaccurate position information or a complete loss of GPS receiver acquisition and tracking ability. The interference interactions have been reported up to 2000 feet from the interference source. This interference has been associated, in some instances, with temperature extremes or proximity to a television broadcast site.

If you are experiencing recurring outages or degradation of your GPS receiver, these may be caused by one of these antennas on your vessel or nearby. If you have a powered VHF/UHF antenna aboard your vessel, you should perform an on-off test of your TV antenna. If turning off the power to the antenna results in improvement in the GPS receiver performance, the antenna may be the source of interference in the GPS band. In that case, you should contact the manufacturer of the antenna and identify the symptoms. If the test is not positive and the GPS interference persists, you should contact the Coast Guard Navigation Information Service at 703-313-5900, by email: nisws@navcen.uscg.mil, or through the website at <http://www.navcen.uscg.gov>

HAWAIIAN ISLANDS - ISLANDS OF HAWAII, MAUI, OAHU AND KAUAI - SECURITY ZONES

The Coast Guard has extended the effective period of security zones in designated waters adjacent to the islands of Oahu, Maui, Hawaii, and Kauai, HI until April 19, 2003. These security zones and a related amendment to regulations for anchorage grounds in Mamala Bay are necessary to protect personnel, vessels, and facilities from acts of sabotage or other subversive acts, accidents, or other causes of a similar nature during operations and will extend from the surface of the water to the ocean floor. Broadcast Notice to Mariners will announce the existence or status of the temporary security zones periodically. Entry into these zones is prohibited unless authorized by the U. S. Coast Guard Captain of the Port Honolulu, HI or U.S. Coast Guard personnel on scene. Persons desiring to transit the areas of the security zones may contact the Captain of the Port at command center telephone number (808) 541-2477 or on VHF channel 16 (156.8 Mhz) to seek permission to transit the area. If permission is granted, all persons and vessels shall comply with the instructions of the Captain of the Port or his designated representatives.

The areas covered by these security zones are: All waters of Honolulu Harbor and entrance channel, Keehi Lagoon, and General Anchorages A, B, C, and D; the waters extending around the Tesoro single point mooring and the Chevron Conventional Buoy Mooring bounded by the following coordinates: 21-16.43 N , 158-06.03W thence Northeast to 21-17.35N, 158-03.95W thence Southeast to 21-16.47N / 158-03.5W thence Southwest to 21-15.53N / 158-05.56W thence to the origin; Honolulu International Airport's reef runway and adjacent waters; the waters extending out 500 feet in all directions from cruise ship vessels anchored off Lahaina Small Boat Harbor, Maui; Kahului Harbor and entrance channel consisting of all waters enclosed by a line drawn between breakwater lights number 3 and number 4; the waters extending out 500 feet in all directions from cruise ship vessels anchored within 3 miles of Lahaina Small Boat Harbor, Maui, and Kailua-Kona Small Boat Harbor; all waters contained within Nawiliwili Harbor, Kauai, consisting of all waters enclosed by a line drawn between the breakwater light and Kukii Point; all waters consisting of Port Allen harbor and entrance channel; Hilo Harbor and entrance channel, and all waters contained in Barbers Point Harbor, Oahu, enclosed by a line drawn between Harbor Entrance Channel Light 6 and the jetty point day beacon. FOR FURTHER INFORMATION CONTACT: LTJG E. G. Cantwell, Coast Guard Marine Safety Office Honolulu, Hawaii at (808) 522-8260.

MARIANAS ISLANDS – GUAM – APR A HARBOR, ROTA–ROTA HARBOR, SAIPAN-TANAPAG HARBOR

The U.S. Coast Guard Captain of the Port (COTP), Guam has opened Apra Harbor, Rota Harbor and Tanapag harbor without restrictions.

MARIANAS ISLANDS – TINIAN – SUNHARON ROADS

The U.S. Coast Guard Captain of the Port (COTP), Guam has opened the port of Tinian, for daylight transit only. All mariners are advised to navigate with extreme caution during daylight hours only in these areas and expect aids to navigation to be off station, missing or extinguished due to storm damage following Super Typhoon Pongsona. Contact COTP, Guam at (671) 339-6100 for amplifying information.

HAWAIIAN ISLANDS - OAHU - MAMALA BAY - HAZARD TO NAVIGATION

A submerged steel sheet pile wall has been installed approximately 75 feet East of the eastern edge of the entrance channel to Pearl Harbor in the following position: 21-18-22 N 157-57-31 W. Mariners are requested to stay within the boundaries of the entrance channel to Pearl Harbor and to avoid navigating in the vicinity of this location other than within the boundaries of the entrance channel.

HAWAIIAN ISLANDS – HAWAII – KAWAIIHAE HARBOR

Healy Tibbitts Builders, Inc. is replacing Dolphin No. 2 at the Army's Kawaihae Harbor LST ramp. The area affected by this work is adjacent to the existing LST ramp. Barge HT 538 will be on location until January 31, 2003. The barge will be secured on a 6-point anchor mooring system. Anchors will be marked with lighted yellow crown buoys. The call sign for barge HT 538 is WCT8969. During the work, barge HT 538 will monitor VHF channels 16 and 69 for all concerned traffic. Mariners are requested to use caution while transiting in the work area.

I. SPECIAL NOTICES (Cont.)

HAWAIIAN ISLANDS - MAUI - MAALAEA HARBOR

Hawaiian Dredging Construction Co. (HDCC) began pier repair & improvements at U.S. Coast Guard Station, Maui, with an estimated project completion date of early December 2002. During the initial construction period, HDCC will have a fifty-foot long silt curtain placed approximately ten feet from the face of the existing pier. During pile driving activities, template beams may extend beyond the face of the new pier by as much as 10 feet. Work on the project will occur between the hours of 7:00 am and 3:30 pm Monday through Friday, with pile driving and miscellaneous operations extending as late as 5:30 pm. All mariners are advised to exercise caution transiting the area.

HAWAIIAN ISLANDS - OAHU - KAILUA BAY - BUOY

The University of Hawaii has placed a yellow buoy with a yellow flashing light every 20 seconds in Kailua Bay, Oahu, in the following position: 21° 25' 00" N; 157° 40' 39" W. Point of contact is Jerome Aucan, phone: (808) 956-2021, facsimile: (808) 956-2352.

HAWAIIAN ISLANDS - OAHU - WAIMEA BAY - BUOY

The University of Hawaii has placed a yellow buoy with a yellow flashing light every 20 seconds in Waimea Bay, Oahu, in the following position: 21° 42' 30" N; 158° 07' 03" W. Point of contact is Jerome Aucan, phone: (808) 956-2021, facsimile: (808) 956-2352.

HAWAIIAN ISLANDS - OAHU - WEST OF KAENA POINT - SUB-SURFACE MOORINGS - CORRECTION

Three temporary sub-surface moorings have been placed off Kaena Point, Oahu from 09 November 2002 to 31 July 2003, for the Hawaii Ocean Mixing Experiment (HOME). Mooring positions are: (Depth in meters)

Name	Location	Water Depth	Depth of top of mooring
B1	21° 45' 14" N; 158° 45' 42" W	1311m	100m
C1	21° 38' 29" N; 158° 51' 60" W	4300m	100m
D1	21° 52' 01" N; 158° 25' 00" W	2400m	100m

Point of contact is Murray Levine, phone: (541) 737-3047, facsimile: (541) 737-2064, email: Levine@coas.oregonstate.edu.

II. DISCREPANCIES - DISCREPANCIES CORRECTED

Abbreviations normally used in the Local Notice to Mariners

BNM - Broadcast Notice to Mariners	TRLB - Temporarily Replaced by Lighted Buoy
LNM - Local Notice to Mariners	TRUB - Temporarily Replaced by Unlighted Buoy
TUB - Temporary Unlighted Buoy	TLB - Temporary Lighted Buoy
TLT - Temporary Light	TDBN - Temporary Daybeacon
IMPCA - Improper Characteristics	INOP - Inoperative
REDINT - Reduced Intensity	

DISCREPANCIES: Federal Aids:

Shaded text denotes new discrepancy since last LNM.

LLNR	Name of Aid	Status	Chart Affected (Largest Scale)	BNM Reference	LNM Reference
28476	Lahaina Boat Basin Entrance Lighted Buoy 1	EXTINGUISHED	19348	254-02	51/02
28530	Manele Bay Lighted Buoy 2	OFF-STATION	19347	251-02	51/02
29745	Nawiliwili Harbor Light	REDINT	19383	247-02	51/02
29785	Nawiliwili Harbor Buoy 6	REPORTED OFF-STATION	19383	181-02	41/02
30315	Roi-Namur Island Channel Lighted Buoy 5	REPORTED EXTINGUISHED	19315		48/02
30695	Apra Outer Harbor Entrance Lighted Buoy 2	MISSING	81054	151-02	50/02
30710	Glass Breakwater Light	MISSING DAYBOARDS	81054	151-02	50/02
30785	Apra Outer Harbor Light	DAMAGED	81054		51/02
30811	Agat Harbor Entrance Lighted Buoy AG	OFF STATION	81048	151-02	50/02
30811.1	Agat Small Boat Harbor Entrance LB 1	MISSING	81048	151-02	50/02
30910	Tanapag Harbor Channel Buoy 8	OFF-STATION	81076	164-02	01/03
30920	Tinian Harbor Channel Lighted Buoy 1	OFF-STATION EXTINGUISHED	81071	162-02	52/02
30925	Tinian Harbor Channel Lighted Buoy 2	IMPCA	81071	162-02	52/02
30940	Tinian Harbor Channel Light 5	DESTROYED	81071	162-02	52/02
	Rota CG Mooring Buoy	MISSING	81063		51/02

DISCREPANCIES: Private Aids:

LLNR	Name of Aid	Status	Chart Affected (Largest Scale)	BNM Reference	LNM Reference
29110	Ala Wai Boat Harbor Channel Daybeacon 3	TRUB	19369		33/00
29110	Ala Wai Boat Harbor Channel Daybeacon 3	TRUB REPORTED MISSING	19369	229-02	48/02
29115	Ala Wai Boat Harbor Channel Daybeacon 4	TRUB	19369		10/01
29670	Pokai Bay Breakwater Light 2	REDINT	19357		39/02
30811.3	Agat Small Boat Harbor Light 3	REPORTED MISSING	81048	084-02	28/02
30811.6	Agat Small Boat Harbor Daybeacon 6	REPORTED MISSING	81048	084-02	28/02

II. DISCREPANCIES - DISCREPANCIES CORRECTED (Cont.)

DISCREPANCIES: Private Aids: (Cont.)

LLNR	Name of Aid	Status	Chart Affected (Largest Scale)	BNM Reference	LNM Reference
30811.8	Agat Small Boat Harbor Daybeacon 8	REPORTED MISSING	81048	084-02	28/02
30811.9	Agat Small Boat Harbor Daybeacon 9	REPORTED MISSING	81048	084-02	28/02

DISCREPANCIES: FAD Buoys:

Name of FAD	Assigned Location	Assigned Position	Status	Chart Affected (Largest Scale)	BNM Reference	LNM Reference
J	Wailalee, Oahu	21-50-00N 158-08-48W	REPORTED MISSING	19380		50/02
P	Penguin Bank, Oahu	20-46-24N 157-48-42W	REPORTED MISSING	19340		50/02
V	Makua, Oahu	21-32-18N 158-18-48W	REPORTED MISSING	19380		50/02
JJ	Kamohio, Kahoolawe	20-24-12N 156-38-00W	REPORTED MISSING	19347	177-02	39/02
MM	Mokapu Point, Oahu	21-36-24N 157-31-12W	REPORTED ADRIFT	19340		50/02
QQ	Makuu, Hawaii	19-39-12N 154-53-30W	REPORTED ADRIFT	19320	243-02	50/02

DISCREPANCIES CORRECTED: Federal Aids

LLNR	Name of Aid	Status	Chart Affected (Largest Scale)	BNM Reference	LNM Reference
30660	Ritidian Point Light	WATCHING PROPERLY	81048	161-02	52/02
30740	Cabras Island Channel Junction Lighted Buoy A	WATCHING PROPERLY	81054	159-02	51/02

DISCREPANCIES CORRECTED: Private Aids: (None)

NEW FAD BUOY DISCREPANCIES REPORTED SINCE LNM 52/02, 24 December 2002: (None)

FAD BUOY DISCREPANCIES CORRECTED SINCE LAST LNM 52/02, 24 December 2002: (None)

III. TEMPORARY CHANGES - TEMPORARY CHANGES CORRECTED (None)

IV. CHART CORRECTIONS (C) (None)

V. NEW ADVANCE NOTICE OF CHANGES IN AIDS TO NAVIGATION

Shaded text denotes new notice of changes since last LNM.

LLNR	Name of Aid	Change	Chart Affected (Largest Scale)	BNM Reference	LNM Reference
29670	Pokai Bay Breakwater Light 2	DISCONTINUE	19361		52/02

VI. NEW PROPOSED CHANGES IN AIDS TO NAVIGATION (None)

VII. GENERAL

FOURTEENTH COAST GUARD DISTRICT AUXILIARY

The Coast Guard Auxiliary offers courses in boating safety and seamanship to the public. The only charge is for materials. For more information concerning boating safety contact Kent Richards at (808) 541-2161; Fax (808) 541-2309. For Vessel Safety Check (VSC) information contact Richard Buffington at 1-800-818-8724.

HAWAIIAN ISLANDS DGPS STATUS AS OF 03 DECEMBER 2002

To obtain status updates of the Differential GPS broadcast sites at Kokole Point and Upolu Point contact the NAVCEN WEST watchstander at (707) 765-7612.

EPIRB REGISTRATION VIA THE MARINE SAFETY OFFICE HONOLULU WEB PAGE

If you have Internet access, the Coast Guard offers a quick and convenient way to register your 406 MHz EPIRB. Log on to Marine Safety Office Honolulu's Web Page at <http://www.uscg.mil/d14/units/msohono/>, and locate the EPIRB registration form section under the Commercial Vessel Safety Heading.

NAUTICAL CHART UPDATES

NOAA has partnered with Ocean Grafix, LLC to provide nautical charts updated for all corrections published in NIMA Notice to Mariners, Coast Guard Local Notice to Mariners, Canadian Notice to Mariners and critical chart corrections known to NOAA in advance of their publication in these notices. Selected charts from the Atlantic and Gulf Coasts and the Great Lakes are available from selected retailers during this pilot phase. For information see <http://chartmaker.noaa.gov/POD> or call 1-800-584-4683.

VII. GENERAL (Cont.)

NAVIGATION INTERNET SITES

Chart Corrections. <http://critcorr.ncd.noaa.gov>
Light List Corrections http://pollux.nss.nima.mil/pubs/USCGLL/pubs_j_uscgl_l_list.html
Coast Pilot Corrections <http://critcorr.ncd.noaa.gov>
NOAA Weather Buoy Sites <http://www.ndbc.noaa.gov/Maps/rmd.shtml>
Hawaii Weather <http://www.nws.noaa.gov/pr/hnl/index.shtml>

NAUTICAL CHART UPDATES – NOAA PRINT ON DEMAND (POD) MESSAGE

NOAA and its partner, OceanGrafix, have completed the pilot project for Up-to-Date Print-on-Demand (POD) nautical charts. NOAA updates these charts each week for the latest NIMA, Coast Guard, and Canadian Notices to Mariners, and for all unpublished critical safety items known to NOAA. Ocean Grafix prints charts from these up-to-date digital files. The box in the lower left corner of each POD chart states the “Additional Corrections Through” to which that chart is updated beyond the corrections done at new edition release time. New editions of POD NOAA nautical charts are identical in content to the traditional NOAA chart new editions. However, they are available to mariners 5 to 8 weeks before announcement of the traditional new edition in the NIMA Weekly Notice to Mariners. THESE POD NEW EDITIONS MAY BE USED IMMEDIATELY. THEY MEET ALL FEDERAL REGULATIONS FOR THE CARRIAGE OF THE MOST RECENT EDITION NAUTICAL CHART. IT IS NOT NECESSARY TO WAIT FOR THE LATER ANNOUNCEMENT OF A NEW CHART EDITION IN THE NIMA WEEKLY NOTICE TO MARINERS. These POD charts are available through POD chart agents at <http://OceanGrafix.com/>, 1-877-56CHART, susanw@oceangrafix.com, or contact NOAA at <http://NauticalCharts.gov>, or help@nauticalcharts.gov

FISH AGGREGATING DEVICE (FAD) BUOY INFORMATION AND DISCREPANCIES

Mariners requesting up to date information concerning Hawaiian Islands FAD Buoys, or reports of discrepancies, may either visit the Hawaii FAD web site at <http://www.hawaii.edu/HIMB/FADS/>, contact Mr. Warren Cortez at (808) 848-2939, or send written correspondence to:

Mr. Warren Cortez
Hawaii Institute of Marine Biology
Fish Aggregating Devices Program
1 Sand Island Road
Honolulu, HI 96819

Mariners requesting information concerning American Samoa Fish Aggregating Device (FAD) Buoys, or reports of discrepancies, may contact Mr. Pobio Gaisoa at 011 (684) 633-4456 or by fax at 011 (684) 633-5944.

PRIVATE AIDS TO NAVIGATION

Private Aids to Navigation include lighted structures and daybeacons, lighted and unlighted buoys, RACONs and fog signals. Almost half of the aids to navigation established in the Fourteenth District are operated and maintained by private interests. These interests include private citizens, marina and yacht clubs, municipal and state governments, construction and dredging companies, research and non-profit organizations, beachfront associations, and large industrial concerns.

Private aids on navigable waters are regulated by the federal government and require either a Coast Guard permit or Coast Guard letter of no objection. The application for a permit, form CG-2554, can be obtained by writing or faxing the Private ATON Manager at the address and phone number given below. Likewise, form CG-2554 is the means of applying for a letter of no objection.

Non-commercial, single-boat mooring buoys do not require a Coast Guard permit, provided they do not cause more than a minimal adverse effect on navigation and display the standard markings. The same is true of most information and regulatory marks, such as swim buoys, no-wake buoys, and racecourse buoys. For these, a Coast Guard letter of no objection is required. Owners contemplating establishing such buoys should also contact their State Authority, usually the Department of Natural Resources, to determine what additional state and local requirements may exist.

The Private ATON Manager provides applicants assistance in processing their paperwork. Federal regulations governing aids to navigation, copies of permits previously issued to the applicant, illustrations of standard markings, and lists of commercial ATON manufacturers are available. Questions and requests should be directed to:

Commander, Fourteenth Coast Guard District (oma)
PJKK Federal Building, 9-236
300 Ala Moana Boulevard
Honolulu, HI 96850-4982
Attn: Private ATON Manager
Tel: (808) 541-2317 Fax: (808) 541-2309

Owners are reminded of their responsibility for the proper operation and maintenance of their private aids to navigation. When owners receive discrepancy reports from the Coast Guard, they are obligated to take immediate action to correct the discrepancy. Mariners are reminded that they have a responsibility to report discrepant private aids to the nearest Coast Guard unit. All aids to navigation in the Fourteenth District, both private and federally maintained, are user monitored. The failure of a mariner to report a discrepant aid to navigation may result in casualties to others. The Coast Guard issues broadcast notice to mariners for reported discrepancies that remain in effect until the discrepancy is corrected or is published in the Local Notice to Mariners.

NAVIGATION EVALUATION – TINIAN HARBOR

Periodically the Coast Guard evaluates the system of Aids to Navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur the feasibility of improving, relocating, replacing, or discontinuing the aids is considered. The study also focuses on waterborne commerce, marine casualty information, port/harbor resources, emergency response plans, routine and emergency communication capabilities, and future development projects. Commanding Officer, USCGC SASSAFRAS, is soliciting comments in these areas for Tinian Harbor. All comments or suggestions for improving Tinian Harbor should be submitted by 15 February 2003.

VII. GENERAL (Cont.)

Submit comments to:

Commanding Officer
USCGC SASSAFRAS (WLB-401)
FPO AP 96678-3922
Attn: ENS Krug
(671) 339-2001
(671) 339-5186 fax
gkrug@D14CUTTERS.uscg.mil

Please include the following information in your comments:

- Size and type of vessel involved.
- Frequency of transit in and out by day and night.
- A chart section or sketch showing the action proposed to clearly describe any recommended improvements.

NORTHERN MARIANA ISLANDS – ISLANDS OF SAIPAN AND TINIAN:

The following is the passenger ferry schedule between Saipan Seaport and Tinian Seaport in the Northern Mariana Islands. This revised schedule went into effect on September 1, 2002.

<u>Departing Tinian</u>	<u>Departing Saipan</u>
0800	0930
1300	1700
1900	2030
2300	0015 (Tue. & Sat. Only)
0200 (Tue. & Sat. Only)	0330

All vessels operating or anchored inside Saipan Harbor or Tinian Harbor during the hours stated above are requested to stand clear of channel and wharf entrances.

OAHU – KANEOHE BAY - MARINE CORPS BASE HAWAII – ULUPAU CRATER WEAPONS RANGE SCHEDULE

Whenever tactical weapons firing is scheduled and in progress during daylight hours, a single large red rectangular warning flag will be flown at the two separate locations on the shore. Whenever any weapons firing is scheduled and in progress during hours of darkness, flashing red warning beacons will be displayed on the shore at Ulupau Crater. Boaters will have complete access to the danger zone whenever there is no weapons firing scheduled, which will be indicated by the absence of any warning flags, pennants, or beacons displayed ashore.

(All times are local)

	SUN.	MON.	TUE.	WED.	THURS.	FRI.	SAT.
29 Dec 02 – 4 Jan 03	No firing	No firing	No firing	No firing	No firing	0700-1300	No firing
5 – 11 January 2003	No firing	0700-1630	0700-1630	0700-1800	0700-2200	0700-1630	No firing
12 – 18 January 2003	No firing	0700-1700	0700-1700	0700-2200	0700-1630	0700-1630	No firing

This is the tentative schedule for all firing that is to take place aboard Marine Corps Base Hawaii Rifle Training Facility during the above-mentioned dates. Times and dates are subject to change without notice. Point of contact is the Marine Corps Base Kaneohe G-3 Training Office at (808) 257-8817/8816/8890.

MARINE EVENTS: (None)

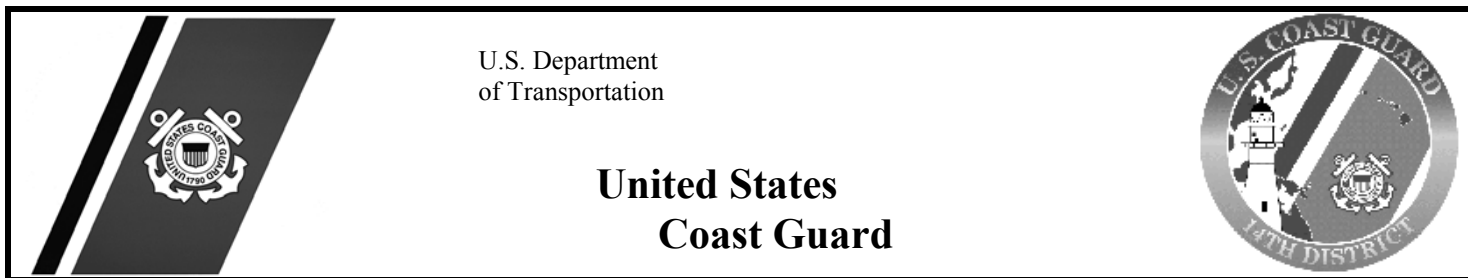
VIII. CORRECTIONS TO LIGHT LIST, VOLUME VI: PACIFIC COAST AND PACIFIC ISLANDS 2002 (None)

IX. ADDITIONAL ENCLOSURES

Enclosure (1) District Fourteen Special Notice to Mariners
Enclosure (2) 2000 Summary of Corrections
Enclosure (3) Kahoolawe Island Reserve - Notice to Fisherman
Enclosure (4) Hawaii Drift Card Study, NOAA Ocean Service.
Enclosure (5) Float Plan

END OF CCGD 14 LOCAL NOTICE TO MARINERS NO. 01/03.

R. D. UTLEY
Rear Admiral, U. S. Coast Guard
Commander, Fourteenth Coast Guard District



FOURTEENTH COAST GUARD DISTRICT SPECIAL NOTICE TO MARINERS

MISSION

The Fourteenth Coast Guard District Aids to Navigation Branch is responsible for federal aids to navigation, regulates private aids to navigation, issues Local Notice to Mariners, approves federal and private aids to navigation (ATON) projects, and reviews navigable waterways to ensure they conform to the lateral marking system. To service these aids, the Fourteenth Coast Guard District employs three cutters and one Aids to Navigation Team.

CAUTION WHEN USING AIDS TO NAVIGATION

The aids to navigation depicted on charts comprise a system of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid to navigation. With respect to buoys, the buoy symbol is used to indicate the approximate position of the buoy body and the sinker, which secures the buoy to the seabed. The approximate position is used because of the practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecisions in position fixing methods, prevailing atmospheric and sea conditions, the slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying lengths of chain, and the fact that the buoy body and or sinker positions are not under continuous surveillance but are normally checked only during periodic maintenance visits which occur more than a year apart. Due to the forces of nature, the position of the buoy body can be expected to shift inside and outside the charted symbol. The mariner is also cautioned that buoys may be extinguished or sound signals may not function as the result of natural causes, collisions, or other accidents. For the foregoing, **A PRUDENT MARINER MUST NOT RELY SOLELY UPON THE POSITION OR OPERATION OF FLOATING AIDS TO NAVIGATION**, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard buoys always risks a collision with the yawing buoy or the obstruction the buoy marks.

REPORTING OF AN AIDS TO NAVIGATION DISCREPANCY

To report a destroyed or inoperative aid to navigation, contact your nearest Coast Guard station, or Group Honolulu at (808) 541-2450.

- Report the following:
- The name or location of the aid, and Light List number if known.
- What is wrong with the aid.
- Your name and phone number or vessel name and call sign.
- If known, who/what destroyed or damaged the aid.

PRIVATE AIDS TO NAVIGATION

Private Aids to Navigation include lighted structures and daybeacons, lighted and unlighted buoys, RACONs and fog signals. Almost half of the aids to navigation established in the Fourteenth District are operated and maintained by private interests. These interests include private citizens, marina and yacht clubs, municipal and state governments, construction and dredging companies, research and non-profit organizations, beach front associations, and large industrial concerns.

Private aids on navigable waters regulated by the federal government require either a Coast Guard permit or Coast Guard letter of no objection. The application for a permit, form CG-2554, can be obtained by writing or faxing the Private ATON Manager at the address and phone number given below. Likewise, form CG-2554 is the means of applying for a letter of no objection.

Non-commercial, single-boat mooring buoys do not require a Coast Guard permit, provided they do not cause more than a minimal adverse effect on navigation and display the standard markings. The same is true of most information and regulatory marks, such as swim buoys, no-wake buoys, and racecourse buoys. For these, a Coast Guard letter of no objection is required. Owners contemplating establishing such buoys should also contact their State Authority, usually the Department of Natural Resources, to determine what additional state and local requirements may exist.

The Private ATON Manager provides applicants assistance in processing their paperwork. Federal regulations governing aids to navigation, copies of permits previously issued to the applicant, illustrations of standard markings, and lists of commercial ATON manufacturers are available. Questions and requests should be directed to:

PRIVATE AIDS TO NAVIGATION (cont.)

Commander Fourteenth Coast Guard District (oma)
300 Ala Moana Boulevard
Honolulu, HI, 96850-4982
Attn: Private ATON Manager
Tel: (808) 541-2317
Fax: (808) 541-2309

Owners are reminded of their responsibility for the proper operation and maintenance of their private aids to navigation. When owners receive discrepancy reports from the Coast Guard, they are obligated to take immediate action to correct the discrepancy. Mariners are reminded that they have a responsibility to report discrepant private aids to the nearest Coast Guard unit. All aids to navigation in the Fourteenth District, both private and federally maintained, are user monitored. The failure of a mariner to report a discrepant aid to navigation may result in casualties to others. The Coast Guard issues broadcast notice to mariners for reported discrepancies that remain in effect until the discrepancy is corrected or is published in the Local Notice to Mariners.

LOCAL NOTICE TO MARINERS

The Fourteenth District Local Notice to Mariners (LNM) is the primary source of information for mariners while the Broadcast Notice to Mariners provides supplementary, last minute information. Although individual articles refer to specific charts and/or publications, it is the responsibility of users to decide which of their charts and/or publications require corrections.

To standardize the system throughout the U.S. Coast Guard, the following format has been adopted:

•SECTION I. SPECIAL NOTICES

Information that affects a wide segment of the maritime public or is otherwise especially noteworthy with regard to particular events and general developments in navigation.

•SECTION II. DISCREPANCIES - DISCREPANCIES CORRECTED

Lists the aids to navigation that are not operating as published in the Light List or indicated on nautical charts. Also listed will be discrepancies that have been corrected since their publication in the last Local Notice to Mariners.

•SECTION III. TEMPORARY CHANGES AND CORRECTIONS

Lists the aids to navigation that have a change of a temporary nature. In addition, temporary changes which have been corrected since their publication in the last Local Notice to Mariners will be listed.

•SECTION IV. CHART CORRECTIONS

Corrective action affecting charts is contained in section IV where chart corrections and new editions of charts are listed numerically by chart number, beginning with the lowest and progressing through all charts affected. Related charts, if any, have their own correction, which in turn pertain to a single chart only. A chart correction followed by: **T** indicates that it is temporary in nature. **P** indicates that it is preliminary, and that permanent corrective action will appear in a future Local Notice to Mariners. The letter **M** immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter **N** preceding the current Local Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or government chartered vessels. Courses and bearings are given in degrees clockwise from 000° T. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles.

•SECTION V. ADVANCE NOTICE OF SCHEDULED CHANGES IN AIDS TO NAVIGATION

Contains advance notice of approved projects, or significant changes that are scheduled for a certain date of accomplishment. It may also contain notices of forthcoming temporary changes such as dredging.

•SECTION VI. PROPOSED CHANGES IN AIDS TO NAVIGATION

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids were established have changed. When changes occur, the feasibility of improving, relocating, replacing or discontinuing the aid is considered. Comments are requested, and should be addressed to: COMMANDER (oan), FOURTEENTH COAST GUARD DISTRICT, PJKK Federal building, Room 9-236, 300 Ala Moana Boulevard, Honolulu HI 96850-4982, All comments submitted should include the following information:

- 1.Quantity, type, capacity and value of vessels involved, and the extent that these vessels traverse the area under consideration seasonally, by day, and by night.
- 2.Where practicable, the type of navigating devices, (such as compasses, radio direction finder, radar, loran, and searchlights) with which vessels are equipped.
- 3.The number of passengers: and type, quantity, and value of cargo involved.
- 4.A chart section or sketch showing the action proposed when necessary to clearly describe the recommended improvement.

•SECTION VII. GENERAL

Information concerning publications, channel conditions, obstructions, hazards to navigation, dangers, anchorage, restricted areas, bridge information, regattas, or other matters of marine information which do not fit in any other category. Entries pertaining to dredging, construction and bridge discrepancies are listed two ways. First, the entry will be entered in paragraph form with all pertinent information. If the discrepancy is to last for more than one week, the entry will be placed on the summary list referencing the LNM in which the initial entry appeared. The discrepancy will remain on the summary list until the approximate completion/repair date.

•SECTION VIII. LIGHT LIST CORRECTIONS

Lists the corrections to the USCG Light List Vol. VI. Pacific Coast and Pacific Islands. These corrections are printed to make "cut and paste" corrections easier.

•SECTION IX. ADDITIONAL ENCLOSURES

Coast Pilot corrections or additional information promulgated by various state and federal government agencies.

ORDERING NAUTICAL CHARTS AND PUBLICATIONS

National Ocean Service nautical charts and publications are sold by authorized sales agents located in many U.S. ports and in some foreign ports. Charts and publications may also be obtained directly from the National Ocean Service's Distribution Division. Mail orders should be sent to:

Distribution Division (N/ACC3)
National Ocean Service
6501 Lafayette Avenue
Riverdale, MD 20737-1199

Orders should be accompanied by a check or money order payable to NOAA, Department of Commerce or by providing VISA or MasterCard information. Remittance from outside the United States should be made either by an International Money Order or by a check in U.S. funds drawn on a U.S. bank. Chart catalogs that include a listing of authorized sales agents are free upon request.

Telephone orders may be placed (Visa or MasterCard accepted) to 301-436-6990,
Or 1-800-638-8975 or by FAX: 301-436-6829

LIGHT LIST VOLUME VI

U.S. Coast Guard Light List Volume VI (Pacific Coast and Pacific Islands) is available for sale through the U.S. Government Printing Office (GPO) and can be ordered by Fax: (202) 512-2250; or mail: Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Orders may also be placed via the Internet at <http://bookstore.gpo.gov/index.html>

FISH AGGREGATING DEVICE (FAD) BUOY INFORMATION AND DISCREPANCIES

Mariners requesting up to date information concerning Hawaiian Islands FAD Buoys, or reports of discrepancies, may either visit the Hawaii FAD web site at <http://www.hawaii.edu/HIMB/FADS/>, contact Mr. Warren Cortez at (808) 848-2939, or send written correspondence to:

Mr. Warren Cortez
Hawaii Institute of Marine Biology
Fish Aggregating Devices Program
1 Sand Island Road
Honolulu, HI 96819

Mariners requesting information concerning American Samoa Fish Aggregating Device (FAD) Buoys, or reports of discrepancies, may contact Mr. Pobio Gaisoa at 011 (684) 633-4456 or by fax at 011 (684) 633-5944.

HAWAIIAN WATERS - SOUTH COAST OAHU - HAZARDOUS OPERATIONS - HOT AREAS

FACSFAC Pearl Harbor established a "HOT AREA" named "KAPU" on April 15, 1995, and a "HOT AREA" named "WELA" on March 1, 1997. Both areas have effective hours of 0700 to 2200 HST Monday-Friday, and 0800 to 1600 HST Saturday and Sunday (less federal holidays). Activities include intermittent naval gunnery exercises and airborne ordnance drops. Hot area "KAPU" is an area bounded by 20-41N 158-04W, 18-51N 158-24W, 19-08N 159-15W, 20-46N 158-16W, thence to the point of origin. Hot area "WELA" is an area bounded by 19-30N 158-18W, 18-50N 158-26W, 19-08N 159-15W, 19-43N 158-54W, thence to the point of origin. Scheduling authority is FACSFAC Pearl Harbor code-named "HULA DANCER". "HULA DANCER" can be reached on 277.8/380.6 MHz or telephone (808) 472-7333 and may authorize transits through these areas on a case-by-case basis. No exclusive events involving ordnance will be authorized in areas "KAPU" and "WELA" from 1730 to 0730 HST unless requests are received NLT three working days prior to event date. Immediate fire evolution Report/Debrief is requested by FACSFACPH with recommendations to improve this evolution.

HAWAIIAN ISLANDS - KAULA ISLET - FISHING SCHEDULE

The surface danger zone surrounding the Islet of Kaula will be OPEN for fishing from 1201AM HST on Saturdays to 1159 PM HST on Sundays every week unless otherwise advised. These waters are CLOSED to all unauthorized persons at all other times. Diving is not permitted. This announcement does not permit entry into Kaula Islet.

DIFFERENTIAL GPS (DGPS)

The status of the Differential GPS broadcast sites at Kokole Point and Upolu Point may be obtained by contacting the NAVCEN WEST watchstander at (707) 765-7612, or via the Internet at <http://www.navcen.uscg.mil>.

Broadcast Site	Frequency (kHz)	Latitude (N)	Longitude (W)	Range (n.m.)
UPOLU POINT	286	20° 14' 48"	155° 53' 00"	170
KOKOLE POINT	300	21° 59' 00"	159° 45' 30"	300

FOURTEENTH COAST GUARD DISTRICT AUXILIARY

The Coast Guard Auxiliary offers courses in boating safety and seamanship to the public. Experienced auxiliary members teach them and the only charge is for materials. For more information concerning boating safety contact Kent Richards at (808) 541-2161; Fax (808) 541-2235. For Vessel Safety Check (VSC) information contact Richard Buffington at 1-800-818-8724.

REPORTING OIL POLLUTION

A report of a hazardous substance release or oil spill takes only a few minutes. To report a release or spill, contact the federal government's centralized reporting center, the National Response Center, at 1-800-424-8802. The NRC is staffed 24 hours a day by U.S. Coast Guard personnel, who will ask you to provide as much information about the incident as possible. If possible, you should be ready to report the following:

- ◆ Your name, location, organization, and telephone number
- ◆ Name and address of the party responsible for the incident, vessel name
- ◆ Date and time of the incident
- ◆ Location of the incident
- ◆ Source and cause of the release or spill
- ◆ Types of material(s) released or spilled
- ◆ Quantity of materials released or spilled
- ◆ Danger or threat posed by the release or spill
- ◆ Number and types of injuries (if any)
- ◆ Weather conditions at the incident location
- ◆ Any other information that may help emergency personnel respond to the incident

If reporting directly to the NRC is not possible, reports also can be made to the EPA Regional office or the U.S. Coast Guard Marine Safety Office in the area where the incident occurred. In general, EPA should be contacted if the incident involves a release to inland areas or inland waters, and the U.S. Coast Guard should be contacted for releases to coastal waters, the Great Lakes, ports and harbors, or the Mississippi River. The EPA or U.S. Coast Guard will relay release and spill reports to the NRC promptly.

EPIRB REGISTRATION

If you purchase a new or a used 406 MHz EPIRB, you MUST register it with NOAA. If you change your boat, address, or primary phone number, you MUST re-register your EPIRB with NOAA. If you sell your EPIRB, make sure the purchaser re-registers the EPIRB, or you may be called by the Coast Guard if it later becomes activated.

How to register

If you have Internet access, Forms can be downloaded from the Coast Guard Marine Safety Office Honolulu Web Page at <http://www.aloha.net/~msohono>. Locate the EPIRB registration form under the Commercial Vessel Information Heading, then follow the directions for downloading the form.

Mail or fax completed forms to:

NOAA SARSAT
NOAA DSD, E/SP3
4700 Silver Hill Rd
Stop 9909
Washington, DC 20233-9909

Or call toll free at 1-888-212-SAVE (7283) for further information or a copy of the registration form. From outside the U.S. call (301) 457-5430 fax: (301) 457-5620 for further information.

COAST GUARD MARINE SAFETY BROADCASTS

The Coast Guard broadcasts marine safety information on VHF-FM Channel 22A (157.1 MHz) and on 2670 kHz single side band. These safety broadcasts contain information such as notices to mariners, storm warnings, distress warnings, and other information that is vital to safe navigation. Following a preliminary call on VHF-FM Channel 16 (156.8 MHz), mariners are instructed to shift to VHF-FM Channel 22A or 2670 kHz respectively. The broadcast times are daily at 0145, 0700, 0745, 1100, 1345, 1900, 1945, 2300 HST.

NOAA WEATHER RADIO

NOAA Weather Radio broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day. Each National Weather Service office tailors its broadcast to suit local needs. Routine programming is repeated every few minutes and consists of the local forecast, regional conditions and marine forecasts. Additional information, including river stages and climatic data is also provided. During emergencies, routine broadcasts are interrupted for warnings, watches and other critical information. Forecasts for Hawaiian Waters (Coastal waters) within 100 miles of the shorelines and inter-island channels along with waters within 1,000 miles of Honolulu are broadcast directly from the National Weather Service Forecast Office, Honolulu. Radio transmitters are located on Kokee, Kauai; Mt. Kaala, Oahu; Mt. Haleakala, Maui; Kulani Cone, Hawaii; South Point, Hawaii; Kaneohe, Oahu; and Hawaii Kai, Oahu.

NOAA WEATHER RADIO (Cont.)**HAWAII**

<u>TRANSMITTER</u>	<u>CALLSIGN</u>	<u>FREQ (MHz)</u>	<u>NWS PROGRAMMING OFFICE</u>
HAWAII (KULANI CONE)	KBA99	162.550	HONOLULU, HI
HAWAII (SOUTH POINT)	WWG27	162.550	HONOLULU, HI
KANEOHE	WWH21	162.400	HONOLULU, HI
KAUAI (KOEKE)	KBA99	162.400	HONOLULU, HI
MAUI (MT. HALEAKALA)	KBA99	162.400	HONOLULU, HI
OAHU (MT. KAALA)	KBA99	162.550	HONOLULU, HI

GUAM

<u>TRANSMITTER</u>	<u>CALLSIGN</u>	<u>FREQ (MHz)</u>	<u>NWS PROGRAMMING OFFICE</u>
GUAMTRANSMITTER	WXM85	162.400	GUAM, GU

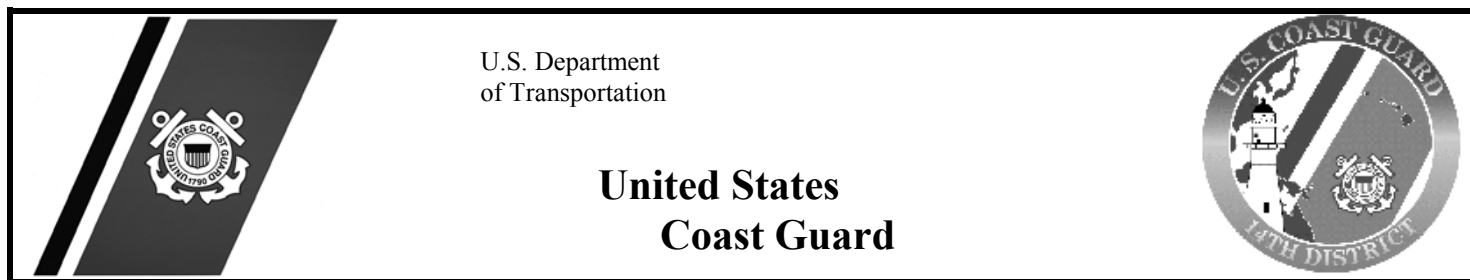
NORTHERN MARIANAS ISLANDS

<u>TRANSMITTER</u>	<u>CALLSIGN</u>	<u>FREQ (MHz)</u>	<u>NWS PROGRAMMING OFFICE</u>
SAIPAN (MT. TOPOCHAU)	WXM86	162.550	GUAM, GU

USEFUL WEB SITES FOR THE MARINER

1. <http://www.aloha.net/~msohono/> - Marine Safety Office Honolulu
2. <http://www.navcen.uscg.gov/> - USCG Navigation Center
3. <http://www.noaa.gov/> - National Oceanic And Atmospheric Administration (NOAA)
5. <http://www.uscg.mil/d14/> - Fourteenth District Homepage

R. D. UTLEY
Rear Admiral, U. S. Coast Guard
Commander, Fourteenth Coast Guard District



LOCAL NOTICE TO MARINERS SUMMARY OF CORRECTIONS 2002

NIS watchstander, 24 hours a day at (703) 313-5900

**** INTERNET ADDRESS ****
<http://www.navcen.uscg.gov/lnm/d14/>

Issued by: Commander, Fourteenth Coast Guard District (oan)
PJJK Federal Building, Room 9-236
300 Ala Moana Boulevard, Honolulu, HI 96850-4982
Telephone: (808) 541-2317 Nights: (808) 541-2500 Fax: (808) 541-2309
Email: cbearden@d14.uscg.mil

REPORT DEFECTS IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

I. SPECIAL NOTICE

2002 SUMMARY OF CHART CORRECTIONS - FOURTEENTH COAST GUARD DISTRICT:

This document contains corrections for the charts published in Local Notice to Mariners 01/02 (01 January 2002) through 52/02 (23 December 2002) for the Fourteenth Coast Guard District (Chart Sub-regions 19, 81, and 83). Chart corrections are arranged in numerical ascending sequence. The Local Notice to Mariners must still be referred to for corrections subsequent to the date of this publication.

II. CHART CORRECTIONS (C)

AD YR	Astronomic Datum (Year)	NAD YR	North American Datum (Year)
BABSAD	BAB South Astro Datum	OHD	Old Hawaiian Datum
LD	Local Datum	GUAM YR	Guam Datum (Togcha)
WGS YR	World Geodetic System (Year)		

Corrective action effecting charts is contained in this section. Chart Corrections are listed numerically by chart number beginning with the lowest and progressing through all charts affected. The correction listed pertains to that chart only. *It is up to the mariner to decide which charts are to be corrected.* The following example explains the individual elements of a typical correction.

Chart Number ↓	Chart Edition ↓	Edition Date ↓	Last Local Notice to Mariners ↓	Horizontal Datum Reference ↓	Source of Correction ↓	Current Local Notice to Mariners ↓
19320	16Ed.	12/14/1996	LAST LNM 50/00	WGS 84	(CCGD 14)	24/02
	ISLAND OF HAWAII					
Change ↑	Lt Characteristic to: F G 38ft 10M			at	19-43-36.8 N	155-05-10.2 W
Corrective Action	Object of Corrective Action				Position (Degrees, minutes, seconds and tenths)	

A chart correction followed by:

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Local Notice to Mariners.

The letter **M** immediately following the chart number indicates that the correction should be applied to the metric side of the chart only.

The letter **N** preceding the current Local Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or government chartered vessels.

Courses and bearings are given in degrees clockwise from 000°. **T**. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles.

530 30Ed. 03/23/2002 NAD 83 (NOS Silver Spring, MD) 18/02
WEST COAST-SAN DIEGO TO ALEUTIAN ISLANDS AND HAWAIIAN ISLANDS
New Edition 1:4,860,700/17.50
(New Edition due to numerous Notice to Mariner changes)

540	16Ed.	08/18/1990	LAST LNM 40/00	WGS 84 (CCGD 14)		41/02
			HAWAIIAN ISLANDS			
Change			Kahala Point Light characteristics to Fl 9M	at	22-08-47.7 N 159-17-43.4 W	
19002	9Ed.	03/01/1997	LAST LNM 35/99	WGS 84 (CCGD 14)		N31/02
			FLEET OPERATING AREAS – HAWAIIAN ISLANDS			
Relocate			Lighted Buoy Y FAD “TT” Fl 4s Y Priv from: 19-04-36.0 N 155-57-24.0 W	to	19-05-20.0 N 155-59-12.0 W	
Relocate			Lighted Buoy Y FAD “UU” Fl 4s Y Priv from: 19-16-48.0 N 155-55-36.0 W	to	19-16-42.0 N 155-57-06.0 W	
19002	9Ed.	03/01/1997	LAST LNM 31/02	WGS 84 (CCGD 14)		N41/02
Change			Kahala Point Light characteristics to Fl 9M	at	22-08-47.7 N 159-17-43.4 W	
19002	9Ed.	03/01/1997	LAST LNM: 41/02	WGS 84 (CCGD14)		N44/02
Relocate			FAD Site D from 19-38-06.0 N 154-39-30.0W	to	19-37-36.0 N 154-46-54.0 W	
19002	9Ed.	03/01/1997	LAST LNM 44/02	WGS 84 (CCGD 14)		N51/02
Change			Characteristics to Fl 8M	at	19-59-37.3 N 155-14-25.9 W	
19004	36Ed.	08/25/2001	LAST LNM 42/00	WGS 84 (CCGD 14)		31/02
			HAWAIIAN ISLANDS			
Relocate			Lighted Buoy Y FAD “TT” Fl 4s Y Priv from: 19-04-36.0 N 155-57-24.0 W	to	19-05-20.0 N 155-59-12.0 W	
Relocate			Lighted Buoy Y FAD “UU” Fl 4s Y Priv from: 19-16-48.0 N 155-55-36.0 W	to	19-16-42.0 N 155-57-06.0 W	
19004	36Ed.	08/25/2001	LAST LNM 31/02	WGS 84 (NOS NW -5665)		32/02
Add			14 fm sounding:	at	20-54-33.1 N 157-40-20.6 W	
19004	36Ed.	08/25/2001	LAST LNM 31/02	WGS 84 (CCGD 14)		41/02
Change			Kahala Point Light characteristics to Fl 6s 9M	at	22-08-47.7 N 159-17-43.4 W	
19004	36Ed.	08/25/2001	LAST LNM: 41/02	WGS 84 (CCGD 14)		44/02
Relocate			FAD Site D from 19-38-06.0 N 154-39-30.0W	to	19-37-36.0 N 154-46-54.0 W	
19004	36Ed.	08/25/2001	LAST LNM 44/02	WGS 84 (CCGD 14)		51/02
Change			Characteristics to Fl 2.5s 39ft 8M	at	19-59-37.3 N 155-14-25.9 W	
Change			Characteristics to Fl 2.5s 8M	at	19-44-34.1 N 155-04-29.9 W	
19007	16Ed.	02/12/1994	LAST LNM 49/01	WGS 84 (CCGD 14)		41/02
			HAWAII TO FRENCH FRIGATE SHOALS			
Change			Kahala Point Light characteristics to Fl 6s 40ft 9M	at	22-08-47.7 N 159-17-43.4 W	

19010	17Ed.	08/2002		WGS 84	(NOS Silver Spring, MD)		39/02
			HAWAII-HAWAIIAN ISLANDS-SOUTHERN PART				
	New Edition	1:675,000/17.50					
		(New Edition due to various changes)					
19010	17Ed.	08/2002	LAST LNM: 39/02	WGS 84	(CCGD 14)		44/02
	Relocate	FAD Site D from 19-38-06.0 N 154-39-30.0W		to		19-37-36.0 N 154-46-54.0 W	
19010	17Ed.	08/01/2002	LAST LNM 44/02	WGS 84	(CCGD 14)		51/02
	Change	Characteristics to Fl 2.5s 39ft 8M		at		19-59-37.3 N 155-14-25.9 W	
	Change	Characteristics to Fl 2.5s 30ft 8M		at		19-44-34.1 N 155-04-29.9 W	
19013	16Ed.	01/25/1997	LAST LNM 49/01	WGS 84	(CCGD 14)		41/02
			HAWAIIAN ISLANDS – NORTHERN PART				
	Change	Kahala Point Light characteristics to Fl 6s 40ft 9M		at		22-08-47.7 N 159-17-43.4 W	
19320	16Ed.	12/14/1996	LAST LNM 29/02	WGS 84	(CCGD 14)		31/02
			ISLAND OF HAWAII				
	Relocate	Lighted Buoy Y FAD “TT” Fl 4s Y Priv from:					
		19-04-36.0 N 155-57-24.0 W		to		19-05-20.0 N 155-59-12.0 W	
	Relocate	Lighted Buoy Y FAD “UU” Fl 4s Y Priv from:					
		19-16-48.0 N 155-55-36.0 W		to		19-16-42.0 N 155-57-06.0 W	
19320	16Ed.	12/14/1996	LAST LNM 50/00	WGS 84	(CCGD 14)		24/02
	Change	Coconut Point Directional Lt Characteristic to:					
		F G 39ft		at		19-43-36.8 N 155-05-10.2 W	
19320	16Ed.	12/14/1996	LAST LNM 24/02	WGS 84	(CCGD 14)		29/02
	Change	Coconut Point Directional Lt Characteristic to:					
		Oc G 4s 39ft		at		19-43-36.8 N 155-05-10.2 W	
19320	16Ed.	12/14/1996	LAST LNM: 31/02	WGS 84	(CCGD14)		44/02
	Relocate	FAD Site D from 19-38-06.0 N 154-39-30.0W		to		19-37-36.0 N 154-46-54.0 W	
19320	16Ed.	12/14/1996	LAST LNM 44/02	WGS 84	(CCGD 14)		51/02
	Change	Characteristics to Fl 2.5s 39ft 8M		at		19-59-37.3 N 155-14-25.9 W	
	Change	Characteristics to Fl 2.5s 30ft 8M		at		19-44-34.1 N 155-04-29.9 W	
19324	22Ed.	10/21/2000	LAST LNM 49/00	WGS 84	(CCGD 14)		24/02
			HILO BAY				
	Change	Coconut Point Directional Lt Characteristic to:					
		F G 39ft		at		19-43-36.8 N 155-05-10.2 W	
19324	22Ed.	10/21/2000	LAST LNM 24/02	WGS 84	(CCGD 14)		29/02
	Change	Coconut Point Directional Lt Characteristic to:					
		Oc G 4s 39ft		at		19-43-36.8 N 155-05-10.2 W	
19324	22Ed.	10/21/2000	LAST LNM 29/02	WGS 84	(CCGD 14)		51/02
	Change	Characteristics to Fl 2.5s 30ft 8M		at		19-44-34.1 N 155-04-29.9 W	
19330	9Ed.	12/01/2001		WGS 84	(NOS Silver Spring, MD)		02/02
			HAWAII-ISLAND OF HAWAII-KAWAIHAE BAY				
	New Edition	1:10,000/17.50					
		(New Edition due to various general changes)					

19330	9Ed.	12/01/2001	LAST LNM 02/02	WGS 84	(CGD14)		46/02
Change			Kawaihae Light Draft Harbor Breakwater Light 5 characteristics to FL G 6s 15ft 5M "5"	at		20-01-36.7 N	155-49-43.3 W
<hr/>							
19340	26Ed.	12/02/2000	LAST LNM 42/00	WGS 84	(NOS NW -5665)		18/02
Add			HAWAII TO OAHU				
			14 fm sounding:	at		20-54-33.1 N	157-40-20.6 W
19340	26Ed.	12/02/2000	LAST LNM 18/02	WGS 84	(CCGD 14)		41/02
Add			Buoy "A" Y, can	at		21-28-21.0 N	157-43-51.0 W
Add			Buoy "B" Y, Fl Y 2.5s	at		21-28-58.8 N	157-44-00.0 W
Add			Buoy "C" Y, Fl Y 4s	at		21-28-48.0 N	157-42-49.2 W
Add			Buoy "D" Y, Fl Y 2.5s	at		21-28-00.0 N	157-41-54.6 W
Add			Buoy "E" Y, can	at		21-27-43.2 N	157-42-30.0 W
<hr/>							
19350	11Ed.	03/17/2001	LAST LNM N/A	NAD 83	(CCGD 14)		22/02
			MAALAEA BAY (ISLAND OF MAUI)				
Change			Range light, front to Q R	at		20-47-31.2 N	156-30-40.6 W
Change			Range light, rear to Iso R 6s	at		20-47-34.0 N	156-30-42.0 W
<hr/>							
19357	22Ed.	08/2002		NAD 83	(NOS Silver Spring, MD)		37/02
			HAWAII-ISLAND OF OAHU				
New Edition			1:80,000/17.50				
			INSET: Barbers Point Harbor				
			1:20,0000				
			(New Edition due to various general changes)				
19357	22Ed.	08/2002	LAST LNM 37/02	NAD 83	(CCGD 14)		41/02
Add			Buoy "A" Y, can	at		21-28-21.0 N	157-43-51.0 W
Add			Buoy "B" Y, Fl Y 2.5s	at		21-28-58.8 N	157-44-00.0 W
Add			Buoy "C" Y, Fl Y 4s	at		21-28-48.0 N	157-42-49.2 W
Add			Buoy "D" Y, Fl Y 2.5s	at		21-28-00.0 N	157-41-54.6 W
Add			Buoy "E" Y, can	at		21-27-43.2 N	157-42-30.0 W
Add			Buoy "3" G, Fl G 4s	at		21-19-00.0 N	158-07-45.2 W
19357	22Ed.	08/2002	LAST LNM 41/02	NAD 83	(CCGD14)		42/02
Change			Barbers Point Harbor Entrance Light 4 to FL R 2.5s 15ft 4M			21-19-06.8 N	158-07-29.1 W
Change			Barbers Point Harbor Entrance Light 5 to FL G 2.5s 15ft 5M			21-19-13.4 N	158-07-30.8 W
19357	22Ed.	08/2002	LAST LNM 42/02	NAD 83	(CCGD14)		44/02
Relocate			FORACS III Lighted Buoy from 21-22-04.0 N 158-08-56.0 W			21-22-04.0 N	158-08-54.6 W
Change			FORACS III Lighted Buoy to OrW FL Y 6s Navy	at		21-22-04.0 N	158-08-54.6 W
19357	22Ed.	08/2002	LAST LNM 44/02	NAD 83	(CCGD14)		46/02
Relocate			Barbers Point Harbor Channel Light 4 from 21-19-06.8 N 158-07-29.1 W to			21-19-07.6 N	158-07-28.3 W
			(Inset)				
Relocate			Barbers Point Harbor Channel Light 4 from 21-19-06.8 N 158-07-29.1 W to			21-19-07.6 N	158-07-28.3 W
19357	22Ed.	08/2002	LAST LNM 46/02	NAD 83	(CCGD14)		52/02
Add			Light, Q G "7"	at		21-19-23.8 N	158-07-19.8 W
			(Inset)				
Change			Daybeacon "7" to Light, Q G 15ft 5M "7"	at		21-19-23.8 N	158-07-19.8 W

19358	20Ed.	04/24/2002	NAD 83 (NOS Silver Spring, MD)	22/02
		HI-SOUTHEAST COAST OF OAHU-WAIMANALO BAY TO DIAMOND HEAD		
	New Edition	1:20,000/17.50		
		(New Edition due to various changes)		
19360	1Ed.	06/07/1980	WGS 72 (CCGD 14)	N31/02
		FORACS RANGE CHART (U.S. HAWAII – OAHU)		
Change		Barbers Point Harbor Ent Chan Lt 6 characteristics to:		
		Q R	at	21-19-19.1 N 158-07-16.1 W
19360	1Ed.	06/07/1980 LAST LNM 31/02	WGS 72 (CCGD 14)	N41/02
Add		Buoy “3” G, Fl G 4s	at	21-19-00.0 N 158-07-45.2 W
19360	1Ed.	06/07/1980 LAST LNM: 41/02	WGS 72 (CCGD14)	N42/02
Change		Barbers Point Harbor Entrance Light 4 to FL R 2.5s 15ft 4M at		21-19-06.8 N 158-07-29.1 W
Change		Barbers Point Harbor Entrance Light 5 to FL G 2.5s 15ft 5M at		21-19-13.4 N 158-07-30.8 W
19360	1Ed.	06/07/1980 LAST LNM 42/02	WGS 72 (CCGD14)	N44/02
Relocate		FORACS III Lighted Buoy from 21-22-04.0 N 158-08-56.0 W to		21-22-04.0 N 158-08-54.6 W
Change		FORACS III Lighted Buoy to OrW FL Y 6s Navy	at	21-22-04.0 N 158-08-54.6 W
19360	1Ed.	06/07/1980 LAST LNM 44/02	WGS 72 (CCGD14)	N46/02
Relocate		Barbers Point Harbor Channel Light 4 from 21-19-06.8 N 158-07-29.1 W to		21-19-07.6 N 158-07-28.3 W
19360	1Ed.	06/07/1980 LAST LNM 46/02	WGS 72 (CCGD 14)	N52/02
Change		Daybeacon “7” to Light, “7” Q G	at	21-19-23.8 N 158-07-19.8 W
19362	12Ed.	06/01/1996 LAST LNM 18/02	WGS 84 (CCGD 14)	35/02
		OAHU – KUMUMAU POINT TO BARBERS POINT		
Add		Depth 17 fathoms Obstr	at	21-17-32.0 N 157-56-24.0 W
19366	36Ed.	01/12/2002	NAD 83 (NOS Silver Spring, MD)	09/02
		US - HAWAIIAN ISLANDS - PEARL HARBOR – OAHU - SOUTH COAST		
	New Edition	1:15,000/17.50		
		(New Edition due changes in hydrography)		
19366	36Ed.	01/12/2002 LAST LNM 09/02	WGS 84 (NAVSTA PH PORT OPS)	26/02
Change		Depth from 36 ft. to 41 ft.	at	21-20-29.8 N 157-58-09.0 W
Change		Depth from 34 ft. to 36 ft.	at	21-20-59.0 N 157-58-55.0 W
19366	36Ed.	01/12/2002 LAST LNM 26/02	WGS 84 (CCGD 14)	35/02
Add		Depth 100 feet Obstr	at	21-17-32.0 N 157-56-24.0 W
19367	37Ed.	05/08/1999 LAST LNM 31/00	WGS 84 (CCGD 14)	17/02
		HONOLULU HARBOR		
Add		Mooring Buoy	at	21-17-25.7 N 157-53-00.0 W
19367	37Ed.	05/08/1999 LAST LNM 17/02	WGS 84 (CGD 14)	26/02
Relocate		CG Mooring Buoy from:		
		21-17-25.7 N 157-53-00.0 W	to	21-17-23.7 N 157-53-00.0 W
19367	37Ed.	05/08/1999 LAST LNM 26/02	WGS 84 (CCGD 14)	35/02
Delete		Annotation “Lighted”	at	21-17-27.6 N 157-51-32.9 W

19369	5Ed.	07/08/2000	LAST LNM 05/01	NAD 83	(CCGD 14)		17/02
	Add		APPROACHES TO PEARL HARBOR (OAHU SOUTH COAST)				
			Mooring Buoy	at		21-17-25.7 N 157-53-00.0 W	
19369	5Ed.	07/08/2000	LAST LNM 17/02	NAD 83	(CCGD 14)		18/02
	Relocate		Honolulu Harbor Entrance Lighted Buoy H				
			from 21-16-48 N 157-52-48 W	to		21-16-49.8 N 157-52-47.3 W	
19369	5Ed.	07/08/2000	LAST LNM 18/02	NAD 83	(CGD 14)		26/02
	Relocate		CG Mooring Buoy from:				
			21-17-25.7 N 157-53-00.0 W	to		21-17-23.7 N 157-53-00.0 W	
19369	5Ed.	07/08/2000	LAST LNM 26/02	WGS 84	(CCGD 14)		35/02
	Add		Depth 17 fathoms Obstn	at		21-17-32.0 N 157-56-24.0 W	
19375	6Ed.	04/20/1996	LAST LNM 40/96	WGS 84	(CCGD 14)		18/02
			FLEET OPERATING AREAS – KAUAI TO MOLOKAI (HAWAIIAN ISLANDS)				
	Relocate		Honolulu Harbor Entrance Lighted Buoy H				
			from 21-16-48 N 157-52-48 W	to		21-16-49.8 N 157-52-47.3 W	
	Relocate		Kalanipua Rock Buoy 2				
			from: 21-52-36 N 159-31-18 W	to		21-52-37.7 N 159-31-21.0 W	
19375	6Ed.	04/20/1996	LAST LNM 18/02	WGS 84	(CCGD 14)		N41/02
	Add		Buoy “A” Y, can	at		21-28-21.0 N 157-43-51.0 W	
	Add		Buoy “B” Y, Fl Y 2.5s	at		21-28-58.8 N 157-44-00.0 W	
	Add		Buoy “C” Y, Fl Y 4s	at		21-28-48.0 N 157-42-49.2 W	
	Add		Buoy “D” Y, Fl Y 2.5s	at		21-28-00.0 N 157-41-54.6 W	
	Add		Buoy “E” Y, can	at		21-27-43.2 N 157-42-30.0 W	
19380	14Ed.	03/29/1997	LAST LNM 30/00	WGS 84	(CCGD 14)		18/02
			OAHU TO NIIHAU				
	Relocate		Kalanipua Rock Buoy 2				
			from: 21-52-36 N 159-31-18 W	to		21-52-37.7 N 159-31-21.0 W	
19380	14Ed.	03/29/1997	LAST LNM 18/02	WGS 84	(CCGD 14)		41/02
	Change		Kahala Point Light characteristics to Fl 6s 40ft 9M	at		22-08-47.7 N 159-17-43.4 W	
19381	8Ed.	07/17/1993	LAST LNM 30/00	WGS 84	(CCGD 14)		18/02
			ISLAND OF KAUAI				
	Relocate		Kalanipua Rock Buoy 2				
			from: 21-52-36 N 159-31-18 W	to		21-52-37.7 N 159-31-21.0 W	
19381	8Ed.	07/17/1993	LAST LNM 30/00	WGS 84	(CCGD 14)		18/02
	Relocate		Hanapepe Bay Lighted Buoy 1				
			from: 21-53-30 N 159-35-24 W	to		21-53-46.0 N 159-35-36.8 W	
19381	8Ed.	07/17/1993	LAST LNM 18/02	WGS 84	(CCGD 14)		41/02
	Change		Kahala Point Light characteristics to Fl 6s 40ft 9M	at		22-08-47.7 N 159-17-43.4 W	
19381	8Ed.	07/17/1993	LAST LNM 41/02	WGS 84	(CCGD14)		42/02
	Change		Red sectors of Kukii Point Light to 045°-065°, 250°-290°			21-57-23.9 N 159-20-52.6 W	
19381	8Ed.	07/17/1993	LAST LNM: 42/02	WGS 84	(CCGD14)		49/02
	Relocate		Lighted Buoy R “2” Fl R 4s from 21-57-08.1 N 159-20-11.2 W to			21-57-10.8 N 159-20-07.3 W	

19382	15Ed.	07/17/1993	LAST LNM 44/95	WGS 84	(CCGD 14)		20/02
			PORT ALLEN (ISLAND OF KAUAI)				
	Change		Breakwater from submerged to visible from: 21-54-03 N 159-35-25 W		to	21-54-03.6 N 159-35-21.2 W	
19383	17Ed.	05/27/2000	LAST LNM: 29/00	WGS 84	(CCGD14)		42/02
			NAWILIWILI BAY (ISLAND OF KAUAI)				
	Change		Red sectors of Kukii Point Light to 045°-065°, 250°-290° at			21-57-23.9 N 159-20-52.6 W	
19383	17Ed.	05/27/2000	LAST LNM 42/02	WGS 84	(CCGD14)		49/02
	Change		Buoy RN "4" to RN "6"		at	21-57-09.6 N 159-21-07.7 W	
	Change		Lighted Buoy G "5" Fl G 2.5s to G "7" Fl G 2.5s		at	21-57-01.8 N 159-21-07.4 W	
	Change		Buoy GC "7" to GC "11"		at	21-57-00.0 N 159-21-20.3 W	
	Add		Buoy RN "4"		at	21-57-15.9 N 159-21-03.1 W	
	Add		Buoy GC "5"		at	21-57-06.6 N 159-21-01.8 W	
	Add		Buoy GC "9"		at	21-56-58.3 N 159-21-13.7 W	
	Relocate		Lighted Buoy G "7" Fl G 2.5s from 21-57-01.8 N 159-21-07.4 W to			21-57-00.9 N 159-21-07.1 W	
	Relocate		Lighted Buoy R "2" Fl R 4s from 21-57-08.1 N 159-20-11.2 W to			21-57-10.8 N 159-20-07.3 W	
19385	7Ed.	02/16/2001		WGS 84	(NOS Silver Spring, MD)		15/02
			HI-HAWAII-NORTH COAST OF KAUAI-HAENA POINT TO KEPUHI POINT				
	New Edition	1:5,000/17.50	(New Edition due to various changes)				
19387	8Ed.	12/14/1985	LAST LNM 12/95	WGS 84	(CCGD 14)		18/02
			ISLAND OF KAUAI				
	Relocate		Kalanipua Rock Buoy 2 from: 21-52-36 N 159-31-18 W		to	21-52-37.7 N 159-31-21.0 W	
19483	12Ed.	04/10/1993	LAST LNM 37/92	WGS 84	(NOS NW -4898)		09/02
			KURE ISLAND				
	Delete		Mooring Buoy		at	28-23-03.0 N 178-18-44.0 W	
81048	8Ed.	02/27/93	LAST LNM 13/01	WGS 84	(NOS NW -5175)		11/02
			ISLAND OF GUAM				
	Change		NOTE A to read: Navigation regulations are published in NIMA Publication 126 or weekly Notice to Mariners, which include new or revised regulations. Information concerning...		at	12-57-00.0 N 144-54-00.0 E	
81054	12Ed.	04/10/1993	LAST LNM 13/01	WGS 84	(NOS NW -4898)		09/02
			APRA HARBOR - GUAM				
	Delete		Mooring Buoys		at	13-25-34.2 N 144-40-09.8 E 13-25-33.2 N 144-40-15.8 E 13-25-40.0 N 144-40-13.1 E 13-25-39.7 N 144-40-19.6 E 13-25-45.6 N 144-40-14.5 E 13-25-43.8 N 144-40-21.0 E 13-25-51.1 N 144-40-15.3 E 13-25-51.3 N 144-40-22.9 E 13-25-59.8 N 144-40-19.9 E 13-26-05.6 N 144-40-08.2 E 13-26-05.7 N 144-40-08.6 E	
81054	12Ed.	04/10/1993	LAST LNM 13/01	WGS 84	(NOS NW -4898)		09/02
			APRA HARBOR - GUAM				

Add	Mooring Buoys			at	13-25-33.0 N	144-40-07.0 E
					13-25-32.0 N	144-40-15.0 E
					13-25-42.0 N	144-40-20.0 E
					13-25-40.0 N	144-40-12.0 E
					13-25-46.0 N	144-40-24.0 E
					13-25-52.0 N	144-40-27.0 E
					13-25-58.0 N	144-40-23.0 E
					13-26-04.0 N	144-40-24.0 E
					13-26-04.0 N	144-40-16.0 E
					13-25-57.0 N	144-40-16.0 E
					13-25-50.0 N	144-40-14.0 E
					13-26-46.0 N	144-40-06.0 E
81054	12Ed.	04/10/93	LAST LNM 09/02	WGS 84 (NOS NW -5175)		11/02
Change	NOTE A to read: Navigation regulations are published in NIMA Publication 126 or weekly Notice to Mariners, which include new or revised regulations. Information concerning...					
				at	13-25-45.0 N	144-39-15.0 E
81067	5Ed.	01/20/1990	LAST LNM 10/98	WGS 84 (CCGD 14)		41/02
	SAIPAN AND TINIAN					
Relocate	Tanapag Harbor Channel Lighted Buoy 2 from 15-13-32.0 N 145-41-44.0 E					
				to	15-13-07.2 N	145-41-16.2 E
81067	5Ed.	01/20/1990	LAST LNM 41/02	WGS 84 (CCGD14)		45/02
	SAIPAN AND TINIAN					
Add	Tanapag Harbor Channel Lighted Buoy 2A, Fl R 2.5s					
				at	15-13-43.0 N	145-42-08.5 E
81076	9Ed.	09/19/1998	LAST LNM 12/89	NAD 83 (CCGD 14)		41/02
	ISLAND OF SAIPAN – SAIPAN HARBOR (TANAPAG HARBOR)					
Relocate	Tanapag Harbor Channel Lighted Buoy 2 from 15-13-32.0 N 145-41-44.0 E					
				to	15-13-07.2 N	145-41-16.2 E
81092	3Ed.	07/2002		NAD 83 (NOS Silver Spring, MD)		34/02
	NORTH PACIFIC OCEAN-COMMONWEALTH OF NORTHERN MARIANA IS.-PAGAN ISLAND					
New Edition	1:25,475/17.50 INSET: Maug Island 1:26,420 (New Edition due to various general changes)					
81092	3Ed.	07/2002	LAST LNM 34/02	ASTRO (NOS NW -5804)		35/02
	NORTHERN MARIANA ISLANDS-PAGAN ISLAND					
Add	Magenta note: COLREGS 80.1495 (See note A) International Regulations for Preventing Collisions at Sea, 1972. The entire area of this chart falls seaward of the COLREGS Demarcation Line					
				at	18-09-31.5 N	145-42-41.0 E

END OF CCGD 14 LOCAL NOTICE TO MARINERS 2001 SUMMARY OF CORRECTIONS.

R. D. UTLEY
Rear Admiral, U. S. Coast Guard
Commander, Fourteenth Coast Guard District

January 28, 1999

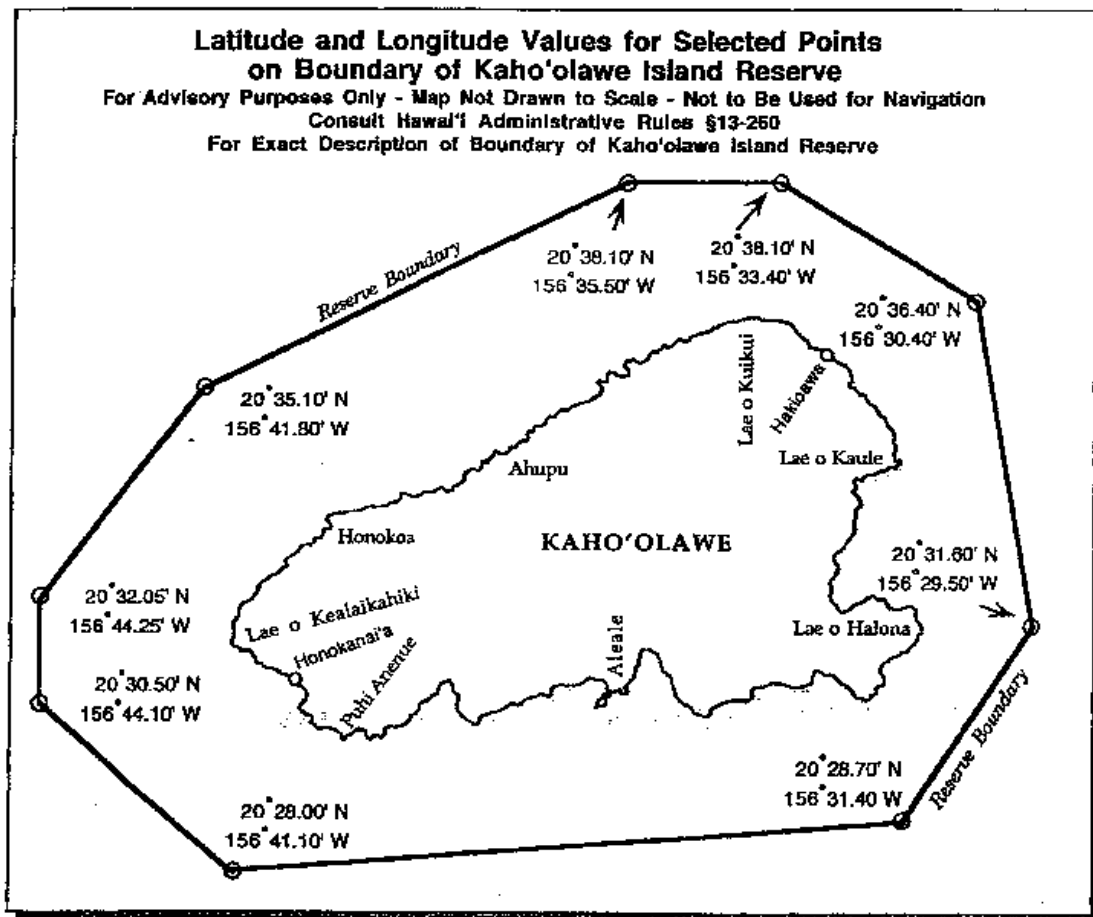
Notice to Fishermen, Boaters and Sailors

Hawaii Administrative Rules 13-260 prohibits all persons from entering the waters within two miles of the shore of Kaho'olawe except as authorized. A number of you have requested that in order to make it easier to avoid entering the Reserve, the KIRC should provide the latitude and longitude values of the corners of the boundary of the Reserve. In response to your request, below is a map (not to scale) of Kaho'olawe and the boundary of the Reserve with estimates of the latitude and longitude values for the corners of the boundary indicated on the map. We hope this is helpful to you.

Please keep in mind that these latitude and longitude values are not official at this time. The official description of the boundary is contained in Hawaii Administrative Rules 13-260, and you must abide by the official boundary description. The Kaho'olawe Island Reserve Commission will look into changing the official rules to include latitude and longitude values to describe the Reserve boundary. In the meantime, remember that you need to abide by the official boundary description as described in the Administrative Rules. Your safest bet is to stay well outside of two miles from the shore of Kahoolawe.

We appreciate your suggestions and good ideas. For more information, please contact Mr. Marc Hodges, Ocean Resource Manager, at 243-5889 on Maui.

Mahalo,
Kaho'olawe Island Reserve Commission
DLNR/ State of Hawai'i





Hawaii Drift Card Study

Who is doing this study and why? During the fall of 2002, NOAA's Office of Response and Restoration, Hazardous Materials Division, in cooperation with

Clean Island Council Spill Response Cooperative, Chevron, Tesoro, NOAA's National Weather Service, and the US Coast Guard, will begin conducting a two year drift card study in the near shore waters of the Hawaiian Islands. This study is supported by NOAA's Coral Reef Conservation Program. The purpose of this study is to learn where floating pollutants might go if released from the south shore of Oahu. Drift cards are inexpensive and allow us to gather information under a broad range of environmental conditions for a fairly long period of time. Using these drift cards also allows us to take advantage of volunteer assistants!

What is a drift card?

A drift card is a 4"x 6"x 1/8" wooden card painted with non-toxic paint. Sample at the right. Released into the ocean, these cards float and are affected by various environmental conditions. Ultimately, the drift cards will biodegrade or get blown ashore by the wind where individuals like you will find them.

How will the drift cards be released?

Approximately once a month for the next two years (fall 2002 – fall 2004), a volunteer team will travel out in between the Chevron and Tesoro mooring buoys that are located approximately one mile offshore of Barber's Point. Each time, the volunteer team will release 100 cards into the water. A total of 2400 cards will be released during the 2-year period of this study.

Why will the cards be released only once a month instead of all at once?

Winds and currents usually shift speed and direction as the seasons change, so cards released during different seasons of the year may drift to very different places. We will be releasing cards approximately once a month to get an idea of the distribution of card drift under different environmental conditions.

Why is Barber's Point of special interest?

Barber's Point is of interest for two reasons: (1) There are complicated tidal effects offshore of Oahu. It is an area where currents are highly variable and difficult to predict with any certainty. (2) The Barber's Point Chevron and Tesoro mooring buoys are good reference points that can be returned to month after month. Should someone wish to repeat or extend this drift card study, we would expect that the moorings would still be there.

What do I do if I find a card?

Please do NOT throw the card back into the water!

Be a part of our study and send us the card number,

the date it was found, and the location where it was found in one of the following ways:

- 1) Mail the information to the address on the card
- 2) Go to <http://response.restoration.noaa.gov/drifter.html>
- 3) Send e-mail to drift.card@noaa.gov

NOAA HAZMAT Drift Card Study
7600 Sand Point Way NE
Bldg 3 / N-ORR1
Seattle WA 98115



FLOAT PLAN

Complete this page before boating, and leave it with a reliable person who can be depended upon to notify the U.S. Coast Guard, or other rescue organization, should you not return as scheduled. Be sure to notify the person this Float Plan is left with if you change your plans. Float Plans cannot be filed with the Coast Guard.

1. NAME OF PERSON REPORTING AND TELEPHONE NUMBER

2. DESCRIPTION OF BOAT:

TYPE _____ LENGTH _____ HULL COLOR _____
TRIM COLOR _____ NAME _____ MAKE _____
REGISTRATION NUMBER _____

3. PERSONS ON BOARD (POB)

NAME	AGE	ADDRESS AND TELEPHONE NUMBER

4. ENGINE:

TYPE _____ H.P. _____

5. SURVIVAL EQUIPMENT (CHECK AS APPROPRIATE):

PFDs _____ SURVIVAL SUITS _____ FLARES _____ SMOKE SIGNALS _____
MIRROR _____ FLASHLIGHT _____ EPIRB _____ FOOD _____ WATER _____
ANCHOR _____ RAFT OR DINGHY _____ PADDLES _____ OTHER _____
*FREQ'S BROADCAST: VHF-FM CHNL. 15/16 121.5 mHz _____ 406 mHz _____

6. RADIO YES/NO TYPE _____ FREQs GUARDED _____

7. TRIP PLANS: LEAVE AT: (TIME) _____

FROM _____ GOING TO _____
FROM _____ GOING TO _____
FROM _____ GOING TO _____

EXPECT TO RETURN BY _____ AND IN ANY EVENT NO LATER THAN: _____

8. ANY OTHER PERTINENT INFO:

9. AUTOMOBILE: LICENSE NR _____ STATE _____ MAKE _____ COLOR _____
TRAILER LICENSE _____ WHERE PARKED _____

10. IF NOT RETURNED BY (DATE/TIME): _____ CALL THE COAST
GUARD (808-541-2500), OR LOCAL AUTHORITY (911).

11. TELEPHONE NUMBERS:

_____/_____/_____
_____/_____/_____

TAKE THE SEARCH OUT OF SEARCH AND RESCUE
PURCHASE AN EPIRB!